ABSTRACT OF THE DISCLOSURE

The present invention involves a stringed musical instrument, such as a guitar or the like, with a body, a head attached to the body, a string having a first end attached to the body and a second end, and a tuning machine mounted within the head and attached to the second end of the string. The tuning machine includes a recessed actuation element that may be a hexagonally shaped recess, a straight screw driver head shaped slot, or a Phillips head shaped slot. The tuning machine also includes reduction gearing which may advantageously have a ratio of at least 15:1, possibly at least 30:1. The tuning machine comprises a tuning peg adapted to receive a string of a musical instrument and reduction gearing actuable through an access aperture in the body of the tuning peg. A guitar reconstruction kit is also included for retrofitting, including a tuning machine having a tuning machine body comprising a tuning peg adapted to receive a string of a musical instrument and reduction gearing accessible through an access aperture in the body for the tuning peg, and a tool having a tool head compatible with the access aperture.